

Converting Colors

$Y_{xy}(40.5729, 0.2713, 0.2108)$

Have a look what the booklet for
Yxy(40.5729, 0.2713, 0.2108)
contains.

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Color

Yxy(40.5419, 0.2712, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	C794FF
RGB	199, 148, 255
RGB Percent	78%, 58%, 100%
CMY	0.2198, 0.4195, 0.0000
CMYK	0.22, 0.42, 0.00, 0.00
HSL	269°, 100%, 79%
HSV	269°, 42%, 100%
XYZ	52.1830, 40.5419, 99.6904
YIQ	175.4470, -3.9510, 44.0890

Conversions

Conversions Part 2

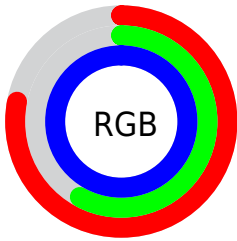
Format	Color
R_{YB}	199, 148, 255
Decimal	13079807
CIE _{Lab}	69.85, 39.36, -46.18
CIE _{LCh}	70, 60.678, 310.440
Yxy	40.5419, 0.2712, 0.2107
Android (android.graphics.Color)	4291269887 (0xFFC794FF)
YUV	175.4470, 39.2196, 20.6560
Hunter-Lab	63.6725, 34.8633, -48.2580

Details

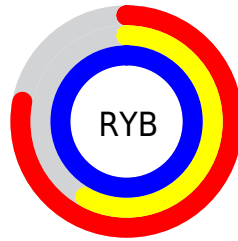
The Yxy color $40.5419, 0.2712, 0.2107$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86.5077, 0.3407, 0.4464$, and the grayscale version is $42.9069, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.1919, 0.3151, 0.2782$, and $18.2826, 0.2581, 0.1836$ is the 20% darker color. If you saturate the color by 10%, you get $31.6558, 0.2581, 0.1807$, and if you desaturate by 10%, it is $51.3524, 0.2832, 0.2411$.

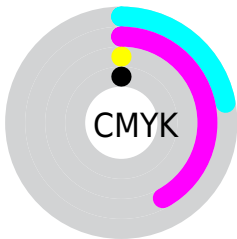
Distribution



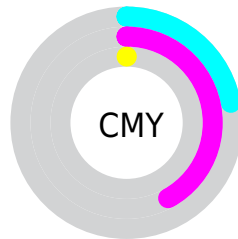
- Red (78%)
- Green (58%)
- Blue (100%)



- Red (78%)
- Yellow (58%)
- Blue (100%)



- Cyan (22%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (22%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5419, 0.2712, 0.2107 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.5419, 0.2712, 0.2107 by changing the saturation by 10% instead.


 40.5419, 0.2712,
0.2107


 40.5419, 0.2712,
0.2107


348.4023, 0.2933,
0.2651

 27.9613, 0.2655,
0.1986


 75.9880, 0.2794,
0.2293

 18.2965, 0.2582,
0.1840


 99.6223, 0.2824,
0.2367

 11.1631, 0.2485,
0.1660


127.7099, 0.2850,
0.2430

 6.1766, 0.2352,
0.1435

160.6353, 0.2871,
0.2485

 2.9528, 0.2162,
0.1152

198.7829, 0.2890,
0.2534

 1.1071, 0.1877,
0.0797

242.5370, 0.2906,

 0.0000, 0.1494,

0.2577

0.0000

292.2820, 0.2920,
0.2616

0.0000, 0.0000,
0.0000

40.5419, 0.2712,
0.2107

40.5419, 0.2712,
0.2107

31.6558, 0.2581,
0.1807

51.3524, 0.2832,
0.2411

24.5701, 0.2443,
0.1524

64.1945, 0.2939,
0.2706

19.1504, 0.2303,
0.1275

79.1711, 0.3033,
0.2984

15.2411, 0.2169,
0.1074

96.3768, 0.3113,
0.3242

12.6556, 0.2046,
0.0930

100.0000, 0.3127,
0.3290

■ 11.3125, 0.1958,
0.0852

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5419, 0.2057, 0.1982



40.5419, 0.2712, 0.2107



40.5419, 0.3599, 0.2461

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.5419, 0.2712, 0.2107



40.5419, 0.4713, 0.4224



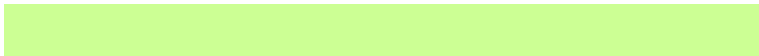
40.5419, 0.1927, 0.3436

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.5419, 0.2712, 0.2107



86.5077, 0.3407, 0.4464

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.5419, 0.2527, 0.4398



40.5419, 0.2712, 0.2107



40.5419, 0.4135, 0.4762

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.5419, 0.2712, 0.2107



40.5419, 0.4860, 0.3593



40.5419, 0.3337, 0.4919



40.5419, 0.1657, 0.2600

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.5419, 0.2712, 0.2107



40.5419, 0.4190, 0.2795



40.5419, 0.3337, 0.4919



40.5419, 0.2092, 0.3767

Sweetspot

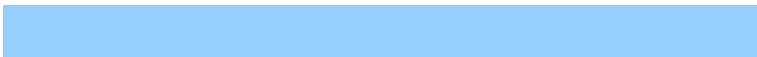
The Sweet Spot groups the original color and five complimentary colors.



40.5429, 0.2712, 0.2107



77.4960, 0.3024, 0.2956



57.2189, 0.2456, 0.2696



15.8504, 0.3004, 0.2896



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.5429, 0.2712, 0.2107



33.2437, 0.2607, 0.1864



48.9981, 0.3146, 0.2247



17.8018, 0.3054, 0.3050



5.9985, 0.1975, 0.0862



0.6486, 0.2099, 0.0930

Inverse Universe

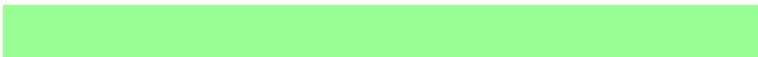
The Inverse Universe completely reimagines the original color for something new.



46.8117, 0.3638, 0.2714



40.4772, 0.3783, 0.2610



80.2951, 0.3085, 0.4589



18.1461, 0.3212, 0.3166



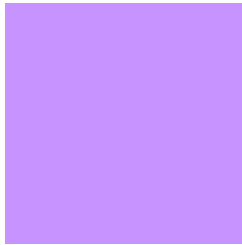
12.0331, 0.4862, 0.2452



1.1937, 0.4622, 0.2320

Previews

White Background



This preview shows how the Yxy color 40.5419, 0.2712, 0.2107 looks on a white background.

Color Contrast Check

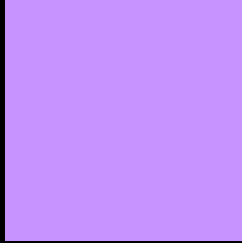
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.5419, 0.2712, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

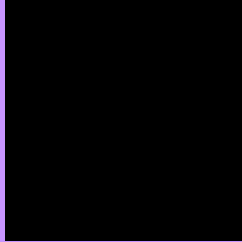
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5419, 0.2712, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 40.5419, 0.2712, 0.2107.



This preview shows how white text looks on a background with the Yxy color 40.5419, 0.2712, 0.2107.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.5419, 0.2712, 0.2107

Protanopia

40.8007, 0.2331, 0.2219

Deuteranopia

41.0329, 0.2338, 0.2278



Tritanopia

40.5637, 0.3210, 0.3119

Trichromacy



Original Color

40.5419, 0.2712, 0.2107



Protanomaly

40.2868, 0.2449, 0.2169



Deuteranomaly

40.3425, 0.2460, 0.2206

Tritanomaly

40.3289, 0.3019, 0.2704

Monochromacy



Original Color

40.5419, 0.2712, 0.2107



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.4602, 0.2973, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5419, 0.2712, 0.2107 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 148, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.5419, 0.2712, 0.2107 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 148, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 148, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5419, 0.2712, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 148, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
148, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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